



# Track (T) Section Properties

Section	Design Thickness (in)	Gross Properties							Effective Prop. (33 ksi)				Effective Prop. (50 ksi)				Torsional Properties					
		Area (in <sup>2</sup> )	Weight (lb/ft)	I <sub>x</sub> (in <sup>4</sup> )	S <sub>x</sub> (in <sup>3</sup> )	R <sub>x</sub> (in)	I <sub>y</sub> (in <sup>4</sup> )	R <sub>y</sub> (in)	I <sub>xe</sub> (in <sup>4</sup> )	S <sub>xe</sub> (in <sup>3</sup> )	Ma (in-k)	Vag (lb)	I <sub>xe</sub> (in <sup>4</sup> )	S <sub>xe</sub> (in <sup>3</sup> )	Ma (in-k)	Vag (lb)	Jx1000 (in <sup>4</sup> )	Cw (in <sup>6</sup> )	Xo (in)	m (in)	Ro (in)	β
1200T200-97	0.1017	1.625	5.53	29.805	4.824	4.283	0.410	0.502	29.805	4.298	84.93	7902	28.959	3.819	114.35	7902	5.602	11.945	-0.714	0.476	4.371	0.973
1200T200-118	0.1242	1.984	6.75	36.530	5.876	4.291	0.492	0.498	-	-	-	-	36.530	5.278	158.02	14434	10.201	14.513	-0.706	0.471	4.377	0.974
1200T250-54 <sup>1</sup>	0.0566	0.962	3.27	18.550	3.041	4.392	0.445	0.681	15.021	1.617	31.95	1354	13.756	1.374	41.14	1354	1.027	12.339	-1.039	0.680	4.565	0.948
1200T250-68	0.0713	1.211	4.12	23.435	3.826	4.399	0.556	0.678	20.720	2.451	48.44	2713	19.255	2.106	63.04	2713	2.052	15.529	-1.033	0.676	4.569	0.949
1200T250-97	0.1017	1.727	5.88	33.623	5.442	4.413	0.780	0.672	32.479	4.489	88.70	7902	31.310	3.954	118.37	7902	5.953	22.101	-1.021	0.668	4.579	0.950
1200T250-118	0.1242	2.108	7.17	41.236	6.632	4.423	0.940	0.668	40.963	6.138	121.28	13189	39.954	5.519	165.24	14434	10.839	26.943	-1.013	0.662	4.586	0.951
1400T125-54 <sup>1</sup>	0.0566	0.933	3.18	19.977	2.814	4.627	0.061	0.256	17.725	1.767	34.91	1160	16.407	1.517	45.42	1160	0.997	2.559	-0.299	0.209	4.643	0.996
1400T125-68	0.0713	1.175	4.00	25.196	3.536	4.630	0.076	0.254	23.552	2.632	52.01	2322	22.620	2.293	68.64	2322	1.992	3.189	-0.296	0.206	4.646	0.996
1400T125-97	0.1017	1.676	5.70	36.024	5.019	4.636	0.104	0.249	35.475	4.489	88.53	6761	34.588	4.134	123.76	6761	5.778	4.483	-0.289	0.201	4.652	0.996
1400T125-118	0.1242	2.046	6.96	44.068	6.106	4.641	0.123	0.245	-	-	-	-	43.752	5.453	163.27	12344	10.520	5.334	-0.284	0.197	4.656	0.996
1400T150-54 <sup>1</sup>	0.0566	0.962	3.27	21.392	3.013	4.717	0.105	0.330	18.620	1.810	35.76	1160	17.153	1.547	46.33	1160	1.027	4.280	-0.410	0.283	4.746	0.993
1400T150-68	0.0713	1.211	4.12	26.987	3.788	4.721	0.130	0.327	25.409	2.717	53.68	2322	23.803	2.352	70.42	2322	2.052	5.349	-0.407	0.280	4.749	0.993
1400T150-97	0.1017	1.727	5.88	38.607	5.379	4.729	0.180	0.322	38.340	4.834	95.52	6761	37.285	4.332	129.69	6761	5.953	7.503	-0.399	0.275	4.756	0.993
1400T150-118	0.1242	2.108	7.17	47.247	6.546	4.734	0.214	0.319	-	-	-	-	46.911	5.887	176.24	12344	10.839	9.048	-0.393	0.270	4.761	0.993
1400T200-54 <sup>1</sup>	0.0566	1.018	3.46	24.221	3.412	4.878	0.242	0.487	20.098	1.868	36.92	1160	18.387	1.589	47.56	1160	1.087	9.520	-0.665	0.449	4.947	0.982
1400T200-68	0.0713	1.282	4.36	30.571	4.291	4.883	0.301	0.485	27.707	2.830	55.93	2322	25.738	2.432	72.81	2322	2.173	11.942	-0.661	0.446	4.951	0.982
1400T200-97	0.1017	1.828	6.22	43.773	6.098	4.893	0.420	0.479	43.679	5.174	102.24	6761	41.749	4.559	136.48	6761	6.304	16.883	-0.651	0.439	4.959	0.983
1400T200-118	0.1242	2.232	7.60	53.606	7.427	4.900	0.504	0.475	-	-	-	-	53.453	6.354	190.23	12344	11.478	20.479	-0.644	0.434	4.965	0.983
1400T250-54 <sup>1</sup>	0.0566	1.075	3.66	27.051	3.811	5.017	0.458	0.653	21.342	1.907	37.68	1160	19.421	1.616	48.38	1160	1.148	17.550	-0.954	0.633	5.149	0.966
1400T250-68	0.0713	1.354	4.61	34.154	4.794	5.023	0.573	0.651	29.615	2.906	57.42	2322	27.352	2.485	74.40	2322	2.294	22.063	-0.949	0.629	5.153	0.966
1400T250-97	0.1017	1.930	6.57	48.939	6.818	5.036	0.803	0.645	47.449	5.386	106.42	6761	44.883	4.708	140.94	6761	6.654	31.333	-0.938	0.622	5.163	0.967
1400T250-118	0.1242	2.357	8.02	59.965	8.308	5.045	0.967	0.641	59.734	7.439	146.99	12344	58.277	6.622	198.25	12344	12.117	38.137	-0.930	0.616	5.169	0.968
1600T125-68	0.0713	1.318	4.48	35.916	4.421	5.220	0.077	0.241	32.443	3.058	60.42	2030	31.004	2.651	79.37	2030	2.233	4.273	-0.268	0.189	5.233	0.997
1600T125-97	0.1017	1.879	6.39	51.322	6.276	5.226	0.105	0.237	49.844	5.273	104.19	5908	47.830	4.825	144.47	5908	6.479	9.945	-0.262	0.184	5.238	0.997
1600T125-118	0.1242	2.294	7.81	62.755	7.637	5.230	0.125	0.233	-	-	-	-	60.930	6.420	192.21	10783	11.797	7.126	-0.257	0.181	5.241	0.998
1600T150-68	0.0713	1.354	4.61	38.249	4.708	5.316	0.132	0.312	34.945	3.152	62.28	2030	32.537	2.717	81.34	2030	2.294	7.188	-0.371	0.258	5.338	0.995
1600T150-97	0.1017	1.930	6.57	54.681	6.686	5.323	0.182	0.307	53.172	5.674	112.12	5908	51.382	5.047	151.11	5908	6.654	10.066	-0.363	0.253	5.344	0.995
1600T150-97	0.1242	2.357	8.02	66.886	8.140	5.328	0.218	0.304	-	-	-	-	65.023	6.911	206.91	10783	12.117	12.124	-0.358	0.249	5.348	0.996
1600T200-68	0.0713	1.425	4.85	42.914	5.282	5.488	0.307	0.464	37.904	3.277	64.76	2030	35.009	2.805	83.99	2030	2.415	16.123	-0.607	0.414	5.541	0.988
1600T200-97	0.1017	2.032	6.91	61.398	7.508	5.497	0.428	0.459	60.199	6.052	119.6	5908	57.292	5.298	158.62	5908	7.005	22.755	-0.598	0.408	5.549	0.988
1600T200-118	0.1242	2.481	8.44	75.146	9.145	5.504	0.514	0.455	-	-	-	-	73.613	7.433	222.53	10783	12.755	27.568	-0.592	0.403	5.554	0.989
1600T250-68 <sup>1</sup>	0.0713	1.496	5.09	47.580	5.856	5.639	0.586	0.626	40.337	3.360	66.40	2030	37.060	2.864	85.75	2030	2.535	29.878	-0.878	0.588	5.741	0.977
1600T250-97	0.1017	2.134	7.26	68.116	8.329	5.650	0.821	0.620	65.163	6.285	124.19	5908	61.325	5.461	163.51	5908	7.355	42.361	-0.868	0.581	5.750	0.977
1600T250-118	0.1242	2.605	8.86	83.406	10.150	5.659	0.989	0.616	83.311	8.747	172.84	10783	79.965	7.727	231.83	10783	13.394	51.497	-0.860	0.576	5.757	0.978

<sup>1</sup>Web height-to-thickness ratio exceeds 200. Web stiffeners are required at all support points and concentrated loads.

<sup>2</sup>Allowable moment includes cold work of forming.

<sup>3</sup>Where web height-to-thickness ratio exceeds 260 or flange width-to-thickness ratio exceeds 60, effective properties are not calculated. See AISI S100 Section B1. Application of these products in a non-composite design shall be approved by a design professional.

See Table Notes on page 15.